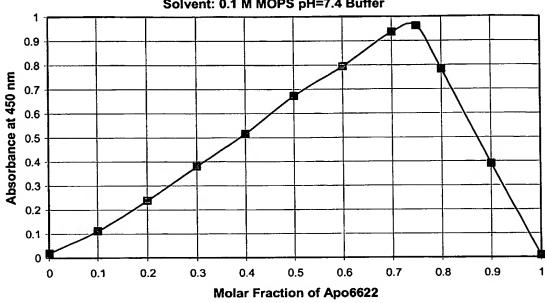
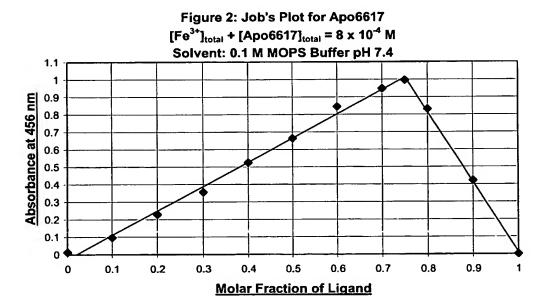
WO 2005/049609 PCT/CA2004/001986

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Figure 1: Job's Plot for Apo6622
[Fe³⁺]_{total} + [Apo6622]_{total} = Constant = 8x10⁻⁴ M
Solvent: 0.1 M MOPS pH=7.4 Buffer



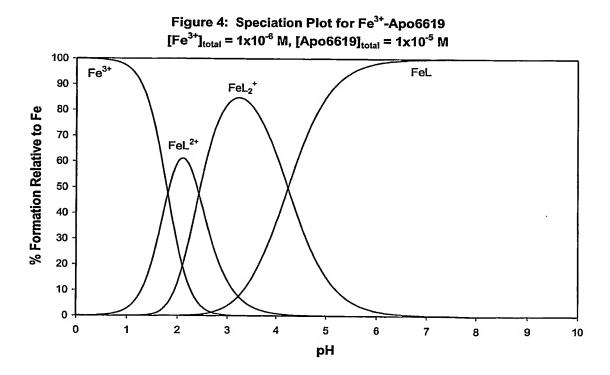
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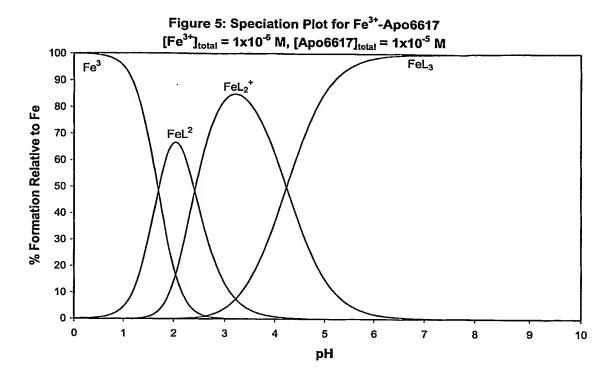
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Figure 3: Job's Plot for Apo6619 $[Fe^{3+}]_{total}$ + $[Apo6619]_{total}$ = 8 x 10⁻⁴ Solvent: 0.1 M MOPS Buffer pH 7.4 1.1 Absorbance at 456 nm 0.9 8.0 0.7 0.6 0.5 0.4 0.3 0.2 0.1 0.1 0.2 0.3 8.0 0.9

Molar Fraction of Ligand



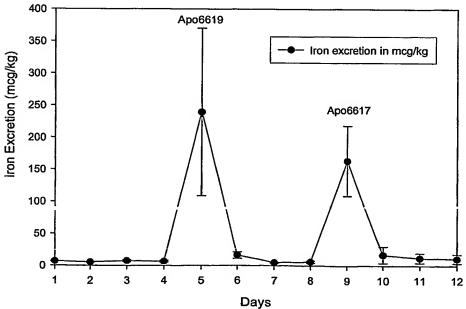
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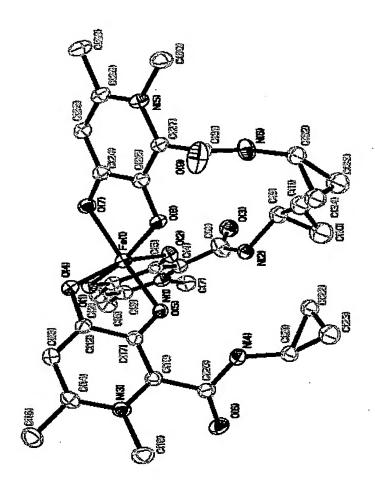
Figure 6

Effectiveness of Apo6619 and Apo6617 in Promoting Urinary Iron Excretion



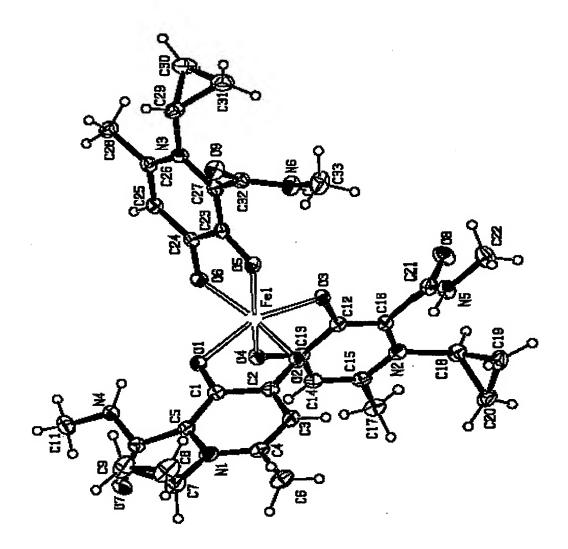
5 **Figure 7**

The crystal structure of Fe(Apo6617)₃.



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FIG. 8 Single Crystal Structure of Fe(Apo6619)₃ chelate



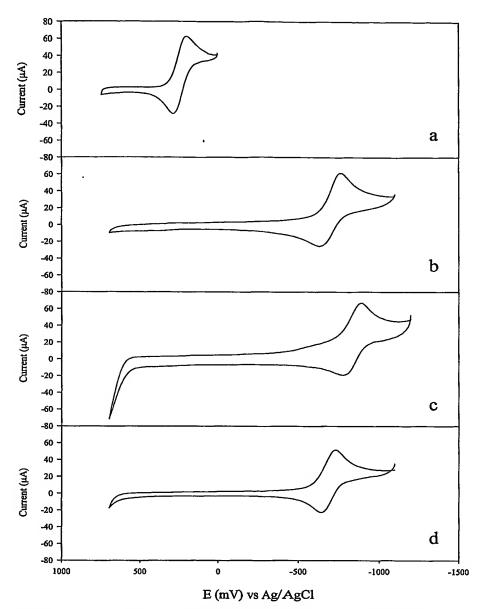


FIG. 9 Cyclic voltammogram of a. $K_3Fe(CN)_{6,;}$ b. Fe(DFO); c. Fe(deferiprone); d. $Fe(Apo6619)_3$ at pH 7.4. $K_3Fe(CN)_6$ is used as an standard to validate the results.

5